

ABSTRACT

ELECTRIC CONTACT SWITCHING DEVICE AND POWER CONSUMPTION CONTROL CIRCUIT

[Abstract]

[Object] The invention provides methods of arc discharge suppression, decrease in the material cost and miniaturization for an electric contact switching device, an electric power consumption control circuit, a DC motor, a pantograph device, a connector, and a pulse generation device.

[Constitution] A load is connected with a power supply. An energizing electric contact and a transient current contact are connected electrically in parallel with each other and can do time-coordinated making and breaking operation. A capacitor is connected in series with the transient current contact. During breaking operation of the energizing contact and keeping making state of the transient current contact, a transient current from the power supply is flown into the capacitor and delay voltage increase of the energizing contact using voltage drop at an internal resistance of the power supply and the load.

[Selected Drawings] FIG. 1

[Document Type] DRAWINGS